

=> d his ful

(FILE 'HOME' ENTERED AT 08:57:20 ON 05 APR 2006)

FILE 'REGISTRY' ENTERED AT 08:57:34 ON 05 APR 2006

L1 87 SEA PLU=ON VRIP/SQSP AND SQL<40  
L2 44 SEA PLU=ON VRIP/SQEFPP  
L3 1 SEA PLU=ON VRIP/SQEP  
D L3

FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER' ENTERED AT 08:59:25 ON 05 APR 2006

L4 136 SEA PLU=ON L1  
L5 57 SEA PLU=ON L2  
L6 5 SEA PLU=ON L3  
L7 4 DUP REM L6 (1 DUPLICATE REMOVED)  
ANSWERS '1-2' FROM FILE HCAPLUS  
ANSWERS '3-4' FROM FILE USPATFULL  
D L7 1-4 IBIB HITSTR  
L\*\*\* DEL 4 DUP REM L6 (1 DUPLICATE REMOVED)  
ANSWERS '1-2' FROM FILE HCAPLUS  
ANSWERS '3-4' FROM FILE USPATFULL  
L8 47 DUP REM L5 (10 DUPLICATES REMOVED)  
ANSWERS '1-34' FROM FILE HCAPLUS  
ANSWERS '35-47' FROM FILE USPATFULL  
L9 6 SEA PLU=ON L8 AND (IFN OR INTERFERON)  
L10 4 SEA PLU=ON L9 AND L6  
L11 2 SEA PLU=ON L9 NOT L10  
D L11 1-2 IBIB HITSTR  
L12 131 SEA PLU=ON L4 NOT (L5 OR L6)  
L13 15 SEA PLU=ON L12 AND (IFN OR INTERFERON)  
L14 14 DUP REM L13 (1 DUPLICATE REMOVED)  
ANSWERS '1-3' FROM FILE HCAPLUS  
ANSWERS '4-14' FROM FILE USPATFULL  
D L14 IBIB KWIC HITSTR

FILE 'REGISTRY' ENTERED AT 09:05:49 ON 05 APR 2006

L15 1 SEA PLU=ON 251349-90-3/RN  
D L15 RN CCN TOTAL

FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER' ENTERED AT 09:05:52 ON 05 APR 2006

D L14 1-14 IBIB KWIC HITSTR

FILE 'REGISTRY' ENTERED AT 09:20:00 ON 05 APR 2006

E INTERLEUKIN AND CANINE/CN

FILE 'HCAPLUS' ENTERED AT 09:20:00 ON 05 APR 2006

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9

DICTIONARY FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

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*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
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Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

FILE COVERS 1907 - 5 Apr 2006 VOL 144 ISS 15

FILE LAST UPDATED: 4 Apr 2006 (20060404/ED)

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 4 Apr 2006 (20060404/PD)

FILE LAST UPDATED: 4 Apr 2006 (20060404/ED)

CA INDEXING IS CURRENT THROUGH 4 Apr 2006 (20060404/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 4 Apr 2006 (20060404/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 21 Jun 2005 (20050621/PD)

FILE LAST UPDATED: 4 Apr 2006 (20060404/ED)

CA INDEXING IS CURRENT THROUGH 4 Apr 2006 (20060404/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 21 Jun 2005 (20050621/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

FILE TOXCENTER

FILE COVERS 1907 TO 4 Apr 2006 (20060404/ED)

> d 17 1-4 ibib hitstr

L7 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1  
 ACCESSION NUMBER: 2004:20807 HCAPLUS  
 DOCUMENT NUMBER: 140:99589  
 TITLE: Use of peptides derived from junctional adhesion  
 molecules to permeabilize mucosa for improved  
 efficiency of mucosal delivery of therapeutic  
 compounds  
 INVENTOR(S): Quay, Steven C.  
 PATENT ASSIGNEE(S): Natestch Pharmaceutical Company, Inc., USA  
 SOURCE: PCT Int. Appl., 426 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004003145	A2	20040108	WO 2003-US19994	20030624
WO 2004003145	A3	20040610		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2487712	AA	20040108	CA 2003-2487712	20030624
US 2004077540	A1	20040422	US 2003-601953	20030624
EP 1539208	A2	20050615	EP 2003-742185	20030624
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005537244	T2	20051208	JP 2004-517800	20030624
PRIORITY APPLN. INFO.:			US 2002-392512P	P 20020628
			WO 2003-US19994	W 20030624

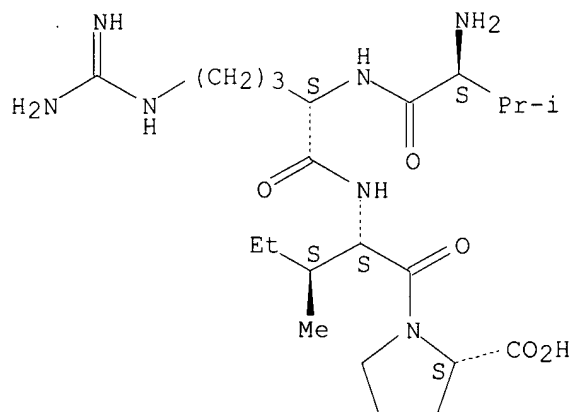
IT **642447-23-2**

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (amino acid sequence, permeability increasing peptide from cell junction adhesion mol.; use of peptides derived from junctional adhesion mols. to permeabilize mucosa for improved efficiency of mucosal delivery of therapeutic compds.)

RN 642447-23-2 HCAPLUS

CN L-Proline, L-valyl-L-arginyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:20427 HCAPLUS

DOCUMENT NUMBER: 140:99587

TITLE: Compositions and method for enhanced mucosal delivery  
of interferon- $\beta$

INVENTOR(S): Quay, Steven C.; Gupta, Malini; De Meireles, Jorge C.;  
Abd, El-Shafy Mohammed

PATENT ASSIGNEE(S): Nastech Pharmaceutical Company Inc., USA

SOURCE: PCT Int. Appl., 353 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004002404	A2	20040108	WO 2003-US19261	20030618
WO 2004002404	A3	20040617		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004037809	A1	20040226	US 2003-462452	20030616
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CA 2486531	AA	20040108	CA 2003-2486531	20030618
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EP 1539220	A2	20050615	EP 2003-748913	20030618
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

PRIORITY APPLN. INFO.:	US 2002-393066P	P	20020628
	WO 2003-US19261	W	20030618

IT 642447-23-2

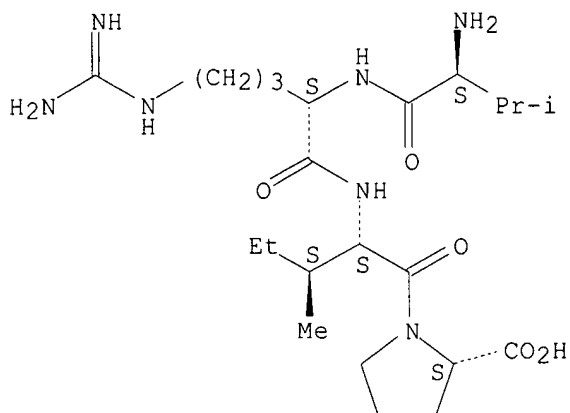
RL: PRP (Properties)

(unclaimed sequence; compns. and method for enhanced mucosal delivery of interferon- $\beta$ )

RN 642447-23-2 HCAPLUS

CN	L-Proline, L-valyl-L-arginyl-L-isoleucyl-	(9CI)	(CA INDEX NAME)
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Absolute stereochemistry.



L7 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:101671 USPATFULL

TITLE: Compositions and methods for modulating physiology of epithelial junctional adhesion molecules for enhanced mucosal delivery of therapeutic compounds

INVENTOR(S): Quay, Steven C., Edmonds, WA, UNITED STATES

PATENT ASSIGNEE(S): Nastech Pharmaceutical Company Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004077540	A1	20040422
APPLICATION INFO.:	US 2003-601953	A1	20030624 (10)

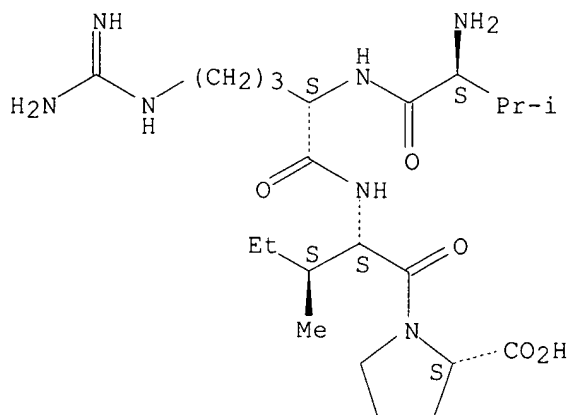
	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-392512P	20020628 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PAUL G. LUNN, ESQ. NASTECH PHARMACEUTICAL COMPANY, INC., 3450 MONTE VILLA PARKWAY, BOTHELL, WA, 98021-8906	
NUMBER OF CLAIMS:	92	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	13170	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
IT <b>642447-23-2</b>		

(amino acid sequence, permeability increasing peptide from cell junction adhesion mol.; use of peptides derived from junctional adhesion mols. to permeabilize mucosa for improved efficiency of mucosal delivery of therapeutic compds.)

RN 642447-23-2 USPATFULL

CN L-Proline, L-valyl-L-arginyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:50383 USPATFULL

TITLE: Compositions and methods for enhanced mucosal delivery of interferon beta

INVENTOR(S): Quay, Steven C., Edmonds, WA, UNITED STATES

Gupta, Malini, Dix Hills, NY, UNITED STATES

de Meireles, Jorge C., Syosset, NY, UNITED STATES

Abd El-Shafy, Mohammed, Hauppauge, NY, UNITED STATES

PATENT ASSIGNEE(S): Nastech Pharmaceutical Company Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004037809	A1	20040226
APPLICATION INFO.:	US 2003-462452	A1	20030616 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-393066P	20020628 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PAUL G. LUNN, ESQ. NASTECH PHARMACEUTICAL COMPANY, INC., 3450 MONTE VILLA PARKWAY, BOTHELL, WA, 98021-8906	
NUMBER OF CLAIMS:	57	
EXEMPLARY CLAIM:	1	
LINE COUNT:	10725	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **642447-23-2**

(unclaimed sequence; compns. and method for enhanced mucosal delivery of interferon-β)

RN '642447-23-2 USPATFULL

CN L-Proline, L-valyl-L-arginyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

